

NURSING (NURSE)

Courses

NURSE 5503A Comparative Weight Loss I Credit: 1

This course explores the bio/psycho/social aspects of weight gain and obesity and compares common weight loss methods according to risk, benefits, and long and short term implications. Correlations between lifestyle issues such as diet, sleep, stress, and exercise will be explored. Specific topics that will be addressed include risks of overweight/obesity; common psychological issues for the overweight/obese; societal perceptions and barriers for overweight/obese individuals.

NURSE 5503B Comparative Weight Loss 2 Credit: 1

This course explores the bio/psycho/social aspects of weight gain and obesity and compares common weight loss methods according to risk, benefits, and long and short term implications. Correlations between lifestyle issues such as diet, sleep, stress, and exercise will be explored. Common medically recommended diets and diet programs will be compared on the basis of their efficacy/risks; exercise requirements for weight loss, and weight maintenance.

Prerequisites: NURSE 5503A.

NURSE 5503C Comparative Weight Loss 3 Credit: 1

This course explores the bio/psycho/social aspects of weight gain and obesity and compares common weight loss methods according to risk, benefits, and long and short term implications. Compare pharmacologic weight loss options and their efficacy/risks; non-prescription medications/nutraceuticals for weight loss and their efficacy/risks; and bariatric surgeries and efficacy/risks.

Prerequisites: NURSE 5503A.

NURSE 5508 Advanced Growth and Development Credit: 1

This course is designed to provide students with advanced comprehensive knowledge regarding the physical growth and psychosocial development from birth to 21 years of age within the context of the child's family and community. Analysis and interpretation of growth and development patterns will be examined as they relate to primary health care of children, birth to 21 years of age aiding in the determination of the health status.

NURSE 5509 Technical Foundations of Advanced Practice Credit: 1

This course will provide students with the advanced informatics skills necessary to develop an evidence-based reflective practice. Self-paced progressive modules will allow students to use advanced health care technologies to develop and apply informatics skills so that they can manage and communicate advanced clinical information and knowledge.

NURSE 5515NE Role of the Nurse Educator Credits: 2-3

This course will explore the role of the nurse educator within the academic, acute care, and outpatient settings. Emphasis will be on the development, evaluation, differences and implementation of the nurse educator in the functional roles. Students are introduced to the NLN Core Competencies of Nurse Educators to evaluate their own practice. Ethical and legal issues related to practice as a nurse educator are discussed.

NURSE 5516 Curriculum Development in Nursing Credits: 3

This course prepares the nurse educator to develop, review, and evaluate nursing curricula. Emphasis will be placed on theoretical foundations, principles of program evaluation, and issues in curriculum design.

Prerequisites: NURSE 5515NE.

NURSE 5517 Teaching Strategies in Nursing Credits: 2

This course examines principles and techniques in teaching nursing. Techniques concerning classroom management, writing objectives and implementing active teaching strategies are explored. Emphasis is placed on respecting the diverse learning needs of students in the educational environment.

Prerequisites: NURSE 5515NE.

Co-requisites: NURSE 5515NE.

NURSE 5526 Health Promotion Across the Lifespan Credits: 3

This course is designed to provide students with a strong knowledge base related to concepts of health promotion and health protection for clients across the life span. Clients are conceptualized as individuals, families, groups, and communities. An application of various developmental theories for the infant, child, adult, older adult and family will provide the foundation to individualize health-care needs based on inclusive criteria, which refers to but is not limited to race, ethnicity, national origin, gender, gender identity, sexual orientation, exceptionality, and age. Core concepts for the course include theories of health and health promotion and protection, reasoned action, health belief model, epidemiology, disease and injury prevention, health education, growth and development, nutrition, and family systems theory.

Prerequisites: NURSE 5550 (or co-requisite).

NURSE 5527 Cultural Diversity & Values Credits: 3

This course explores how each individual's life context (social, political, historical, and economic) and culture construct their individual's values, beliefs and behaviors. Applying multi-disciplinary concepts and theory, the course expands students' basic knowledge of cultural diversity, approaches to culture and cultural competency, values and ethics, theories of moral development, cultural assessment skills, and ethical decision-making models for clinical practice. Ethical dilemmas created by differing cultural values and the role of health professionals in leading ethical decision-making are explored. Core concepts for the course include: cultural awareness, cultural knowledge, cultural skill, cultural encounter, values clarification, and ethical analysis.

NURSE 5528 Healthcare Policy & Advocacy Credits: 3

This course is designed to focus on the integral relationship between health care policy and advocacy. Content will include principles and processes related to U.S. health policy and politics in relation to the overall system and issues of cost, quality and access; interrelationships between policy, political trends, and quality of care and access at the point of service; elimination of health care disparities, ethical and obligatory values related to the role of the health care professional.

NURSE 5529 Ethics in Advanced Practice & Research Credits: 3

Advanced nursing practice, ethics, and research are intricately connected. This course is designed to explore the content necessary to apply ethical principles to complex issues encountered in advanced nursing practice. Essential ethical principles include assuring the common good through the continual presence of respect for human dignity, autonomy, beneficence, and distributive justice, as those apply to the integration of advanced practice and research. Graduate prepared nurses are responsible for impacting individual care, the care of populations, and environmental health, therefore advocacy for social justice and ethical health care policy are also discussed.

NURSE 5531 Graduate Pharmacology Specialty Credits: 2

This course builds on principles of pharmacology learned in Pharmacotherapeutics for Advanced Practice Nursing. This course focuses on principles and practices necessary for safe prescribing and medication management of a specialty population (e.g., pediatrics, acute care, mental health).

Prerequisites: NURSE 5548, NURSE 5549, NURSE 5550.

Co-Requisites: NURSE 5532.

NURSE 5532 Acute Care of Pediatric Clinical I Credits: 7

This is the first of two courses in which the management of complex acute, critical, and chronically ill patients with urgent and emergent conditions is explored. The focus is on alterations in pathophysiology, advanced assessment, diagnosis, and collaborative management of infants, children and adolescents with selected episodic/chronic health problems in acute/critical care. This course consists of (4) credit hours of didactic content and (3) hours of clinical (247.5).

Prerequisites: NURSE 5548, NURSE 5549, NURSE 5531, NURSE 5544 NURSE 5547.

NURSE 5533 Acute Care of Pediatric Clinical II Credits: 7

This is the second of two courses in which the management of complex acute, critical, and chronically ill patients with urgent and emergent conditions is explored. The focus is on alterations in pathophysiology, advanced assessment, diagnosis, and collaborative management of infants, children and adolescents with selected episodic/chronic health problems in acute/critical care. This course consists of four (4) credit hours of didactic content and three (3) credit hours of clinical (247.5).

Prerequisites: Acute Care of Pediatric Clinical I

NURSE 5544 Advanced Health Assessment Skills Credits: 2

This course provides a systematic approach to collection and documentation of advanced health/physical assessment, including the comprehensive history, physical, and psychological assessment of signs and symptoms, pathophysiological changes, psychosocial, cultural variations and social inequalities of the patient. The assessment should be conducted within the context of the family and community, incorporating cultural and developmental variations, and the needs of the patient.

Prerequisites: Undergraduate Health Assessment Course.

NURSE 5544NE Advanced Health Assessment for Nurse Educators Credits: 2

This course provides a systematic approach to collection and documentation of advanced health/physical assessment, including the comprehensive history, physical, and psychological assessment of signs and symptoms, pathophysiological changes, psychosocial and cultural variations of the patient. The assessment should be conducted within the context of the family and community, incorporating cultural and developmental variations, and the needs of the patient.

Prerequisites: Departmental consent.

NURSE 5546 Foundations of Psychiatric Advanced Practice Nursing Credits: 3

This foundational course focuses on factors impacting mental health and the development of psychiatric disorders. The scope of practice and roles of the Psychiatric Mental Health Nurse Practitioner will be introduced. Both pharmacological and nonpharmacological therapeutic modalities will be explored. Comprehensive psychiatric evaluation skills will be developed. Attention will be given to the development of therapeutic relationships, assessment considerations across the lifespan, crisis evaluation and different types of diagnostic tools and approaches. Diagnostic reasoning skills will be applied to mental illness and students will begin to integrate assessment finding into diagnoses in the Diagnostic and Statistical Manual of Mental Disorders.

NURSE 5547 Diagnostic Reasoning/Advanced Assessment Credits: 3

Students enrolled in this course will focus on advanced health/physical assessment skills interpretation of diagnostic testing and lab values, and analysis of findings through diagnostic reasoning to develop and process differential diagnoses while ensuring patient validation and empowerment.

Prerequisites: NURSE 5544.

NURSE 5547C Diagnostic Reasoning/Advanced Assessment-Children Credits: 3

This course emphasizes utilization of advanced health/physical assessment skills, interpretation of diagnostic testing and lab values, validation, documentation and analysis of findings through diagnostic reasoning to develop and process differential diagnosis. The course consists of two hours of didactic/ discussion and one hour of clinical/lab credit (45 clock hours).

Prerequisites: NURSE 5544.

NURSE 5547N Advanced Assessment of the Neonate Credits: 3

This course is designed to provide a systematic approach to advanced assessment of physiological, psychological, socio-cultural, developmental and spiritual assessment of the fetus, the mother during the prenatal period, and the neonate. This course builds on basic health assessment skills and emphasizes advanced assessment skills, diagnostic test interpretation, validation, documentation and analysis of perinatal, genetic and embryological factors impacting neonatal health and development.

Prerequisites: Admission into the MSN NNP program.

NURSE 5547NE Health Assessment & Clinical Reasoning for Nurse Educators Credits: 4

This course is designed to provide a systematic approach to teaching physiological, psychological, sociocultural, developmental and spiritual assessment. The course builds on basic health assessment skills and emphasizes: comprehensive assessment skills, interpretation of laboratory results, validation of findings, documentation and analysis of assessment findings; and teaching strategies – teaching methodologies, clinical application, and student evaluation.

Prerequisites: NURSE 401, NURSE 5548.

NURSE 5547PM Diagnostic Reasoning/Advanced Assessment Credits: 2

2 credit hours (1 didactic; 1 lab for a minimum of 45 contact/clock hours). This course is designed to provide a systematic approach to the advanced assessment of physiological, psychological, socio-cultural, developmental and spiritual assessment of individuals. The post-MSN student will build on previous advanced assessment skills and content with emphasis on adding advanced physical assessment skills, lab work interpretation, validation, documentation and analysis of assessment findings appropriate to their desired role area. Students will meet the same outcome standards of the track in which they are currently enrolled.

Prerequisites: Free-standing Health Assessment Course.

NURSE 5547W Diagnostic Reasoning/Advanced Assessment Credits: 3

This course emphasizes utilization of advanced health/physical assessment skills, interpretation of diagnostic testing and lab values, validation, documentation and analysis of findings through diagnostic reasoning to develop and process differential diagnosis. The course consists of two hours of didactic/ discussion and one hour of clinical/lab credit (45 clock hours).

Prerequisites: NURSE 5544.

NURSE 5548 Advanced Pathophysiology Across the Lifespan Credits: 3

Advanced pathophysiology is the study of the alterations of normal physiological functioning in cellular, tissue, organ and organ systems. These alterations form the basis for understanding a variety of pathophysiological conditions and the manifestations and impact of abnormal physiological functioning on clients across the life-span. Advanced pathophysiology deals with both generalized processes and major organ system dysfunctions. This course consists of three hours of lecture/discussion per week and individual self study.

NURSE 5548N Physiology/Pathophysiology Of The Neonate Credits: 2

Concepts of embryology, neonatal physiology and pathophysiology are used to provide an in-depth study of normal functioning and alteration of normal physiological functioning in cellular, tissue, organ, and organ systems. Alterations form the basis for understanding a variety of pathophysiological conditions and the manifestations and impact of abnormal physiological functioning on neonates. Both generalized processes and major system dysfunctions are addressed.

Prerequisites: NURSE 5548.

NURSE 5549 Pharmacology Across the Life Span for Advanced Nursing Practice Credits: 3

This is a course in clinical pharmacotherapeutics that builds on prior knowledge of drug classification, actions, interactions and adverse drug reactions. The major focus of the course is the pharmacotherapeutic prescribing of medications for primary health care management across the life span by advanced practice nurses. The Missouri laws for advanced practice nurse prescriptive authority will be addressed. This course consists of three hours of lecture/discussion/in-class clinical module work per week.

Prerequisites: NURSE 5548, NURSE 5549R.

NURSE 5549N Pharmacology for the Neonate Credits: 3

This course in clinical pharmacotherapeutics builds on prior knowledge of drug classifications, actions, interactions and adverse drug reactions in the neonatal population. The major focus of the course is the pharmacotherapeutic use of medications for management of neonates by advanced practice nurses. Emphasis is placed on the clinical critical thinking process used to prescribe drugs in the management of specific neonatal illnesses. Various state laws pertaining to prescriptive authority for advanced practice nurses will be addressed. Core concepts include: pharmacodynamics, pharmacokinetics, pharmacotherapeutics, health-related information and issues that pertain to the prescribing of medications in advanced nursing practice.

Prerequisites: Admission into the MSN NNP program.

NURSE 5549R Pharmacokinetics & Pharmacodynamics: Application for Graduate-Prepared Nurses Credit: 1

This course builds on prior knowledge of anatomy, physiology, chemistry, microbiology, pathophysiology and pharmacology. Drug classes are reviewed in preparation for advanced clinical judgment. The principles for decision-making about drug selection, use and monitoring are explored. General principles of pharmacokinetics and pharmacodynamics are discussed. Pertinent patient education concerning select pharmacotherapeutics agents is reviewed.

Prerequisites: Admission to UMKC School of Nursing and Health Studies.

NURSE 5550 Theoretical Foundations in Nursing Credits: 3

This course focuses on critical analysis of theory and the utilization of various levels of nursing and related theories as a base for nursing at the graduate level. It further examines the inter-relationship of theory, research and practice in the development of a scientific body of nursing knowledge. The student will analyze methods by which knowledge is gained and validated. Students will synthesize several different theories from which to form the basis of their practice. Relationships of theory, practice and research will be discussed.

Prerequisites: Completion of BSN.

NURSE 5555 Nursing Research Credits: 3

This course is designed to prepare graduate nursing students to utilize research findings in order to provide high quality health care and improve nursing practice. This knowledge includes fundamentals of research methods, procedures for the evaluation of research and the application of research findings to clinical practice and organizational decision making.

Prerequisites: NURSE 5550, a graduate level statistics course.

NURSE 5557 Qualitative Methods in Nursing Research Credits: 3

This course is designed to provide the student with the skills necessary to the understanding and conduct of qualitative research. Various methods, including ethnographic, phenomenologic, historic, grounded theory and aesthetic inquiry are presented and discussed. Emphasis is placed upon the appropriateness of each method for different research problems. This course consists of three hours of lecture/discussion per week.

Prerequisites: NURSE 5550, NURSE 5555.

NURSE 5558 Research Design Credits: 3

This course is designed to provide the student with experience in the development of a research proposal. Research skills acquired in previous courses will be synthesized to produce the components of a proposal.

Prerequisites: NURSE 5555.

NURSE 5559 Evaluation Methods in Nursing Credits: 2

This course examines principles of assessment and evaluation in nursing education. Techniques concerning formative and summative evaluation, test writing, clinical evaluation, and test item analysis will be explored. Emphasis is placed on respecting the diverse learning needs of the students in the educational environment.

Prerequisites: NURSE 5517.

NURSE 5564A Primary Care of Adults I Credits: 5

This course is designed to prepare adult-gerontology primary care nurse practitioner ((AGNP) students to care for and manage common health problems of the adult patient. The focus is on developmentally appropriate preventive health care and management of common acute and episodic illnesses being mindful of cultural characteristic differences. Students will integrate role competencies, professional standards, and legal requirements essential to the AGNP role. Core content includes differential diagnosis, therapeutic management, adherence, anticipatory guidance, education of the adult patient and their defined family, inclusivity, legal and professional issues, standards of practice, and advanced practice role competencies.

Prerequisites: NURSE 5526, NURSE 5548, NURSE 5550, NURSE 5547A and N5555.

Co-requisites: NURSE 5549.

NURSE 5564C Primary Care of Children I Credits: 5

This course is designed to prepare nurse practitioner students to manage common pediatric health problems. The focus is on evidence-based developmentally appropriate preventive health care and management of common acute/episodic illnesses. Students will integrate role competencies, professional standards, and legal requirements essential to the NP role. Core content includes differential diagnosis, therapeutic management, adherence, anticipatory guidance, patient/family education, legal and professional issues, standards of practice, and advanced practice role competencies. Clinical practice and clinical seminar comprise the clinical experience.

Prerequisites: NURSE 5526, NURSE 5547C, NURSE 5548, NURSE 5550.

Co-requisites: NURSE 5549, NURSE 5555.

NURSE 5564F Primary Care of Families I Credits: 5

This course is designed to prepare family nurse practitioner (FNP) students to care for and manage common health problems across the life span. The focus is on developmentally appropriate preventive health care, management of common acute and episodic illnesses being mindful of cultural characteristic differences. Students will integrate role competencies, professional standards, and legal requirements essential to the FNP role. Core content includes differential diagnosis, therapeutic management, adherence, anticipatory guidance, education of the patient and their defined family, inclusivity, legal and professional issues, standards of practice, and advanced practice role competencies.

Prerequisites: NURSE 5526, NURSE 5547F, NURSE 5548, NURSE 5550.

Co-requisites: NURSE 5549, NURSE 5555.

NURSE 5564M Psychiatric Nursing Advanced Practice I Credits: 5

This course is designed to prepare students to manage psychiatric illness in individuals. Emphasis will be given to psychiatric disorders commonly encountered such as thought disorders, mood disorders, anxiety disorders, personality disorders and substance use disorder. Focus will be on strengthening mental health diagnostic skills and management of psychiatric illness. Students will learn to identify and treat short term mental health issues, chronic disorders and acute exacerbations. Psychotropic medication management skills will be developed. Students will begin their clinical hours during this course with a minimum of 165 in total. Patients seen in clinical settings will be across the lifespan.

Prerequisites: NURSE 5526, NURSE 5546, NURSE 5547, NURSE 5548, NURSE 5549, NURSE 5550.

NURSE 5564N Neonatal Nursing I Credits: 3

This course integrates the physiologic, pharmacologic, and assessment skills and principles in determining appropriate care of the ill neonate. This course covers case management of respiratory, cardiovascular and neurologic disorders. Current research and evidenced-based practices are used as the course framework. The effects of critical conditions on the growth and development of the neonate, including subsequent chronic health problems as well as the short and long term consequences to the child's family are emphasized. The use of specific interventions and diagnostic procedures are demonstrated and applied in laboratory/clinical settings.

Prerequisites: NURSE 5549N.

Co-requisites: NURSE 5566N.

NURSE 5564NE Clinical for Nurse Educators Credits: 5

This clinical course provides students an opportunity to develop advanced knowledge and clinical skills in an acute care clinical setting. Clinical practice hours will be spent in a variety of settings providing the students the opportunity to provide clinical education and advanced patient care in a specialty population. The students demonstrate their clinical development and clinical reasoning skills by evaluating the process of nursing care (assessment, intervention/management, evaluation) from an evidenced-based perspective.

Prerequisites: All required courses except NURSE 5572 and NURSE 5598.

NURSE 5564W Primary Health Care of Women Credits: 5

This course is designed to prepare the woman's health nurse practitioner student to manage the primary health care of women. The course will focus on the etiology, symptomatology, diagnosis and management of gynecologic and non-gynecologic primary health care problems throughout the lifespan. Emphasis will be placed on caring for women within a holistic, collaborative framework and recognizing how the changing roles of women in today's society can affect their lives and their health status. Concepts, theories and evidence-based practice related to health promotion and maintenance, and illness prevention are addressed.

Prerequisites: NURSE 5526, NURSE 5547W, NURSE 5548, and NURSE 5550; NURSE 5549 and NURSE 5555 (pre or co-req).

NURSE 5566A Primary Care of Adult-Gerontology II Credits: 5

This course is designed to prepare adult-gerontology nurse practitioner (NP) students to care and manage adult patients with chronic health problems and educating the patient-defined family unit. The focus is on the differentiation and therapeutic management of chronic health problems encountered in various health care settings. The course enables students to develop evidence and theory-based practice for disease state management of health care for adult patients with chronic conditions while keeping in mind different cultural characteristics. Core concepts: theories, grief and loss, chronicity, inclusivity, pain, and advanced nursing skills.

Prerequisites: NURSE 5549, NURSE 5564A.

NURSE 5566C Chronic Child Health Care (Clinical II) Credits: 5

This course is designed to apply knowledge and skill to advanced evidence-based nursing care of children experiencing complex/chronic health problems. The organizing framework is case management of chronic health states. Students will apply several theoretical models to acute and chronic conditions of children at different developmental stages representing various socioeconomic and cultural groups, in primary or specialized care settings. Core concepts are stress, coping, adaptation, pain management, grief, loss, nutritional support, ethical decision-making, and symptom management.

Prerequisites: NURSE 5549 and NURSE 5564C.

NURSE 5566F Primary Care of Families II Credits: 5

This course is designed to prepare family nurse practitioner (FNP) students to care for and manage patients with chronic health problems and educate their families which are defined by the patient. The focus is on the differentiation and therapeutic management of chronic health problems encountered in various health care settings. The course enables students to develop evidence and theory-based practice for disease management of patients with chronic conditions while keeping in mind different cultural characteristics. Core concepts: theories, grief and loss, chronicity, inclusivity, pain, and advanced nursing skills.

Prerequisites: NURSE 5549, NURSE 5564F.

NURSE 5566M Psychiatric Nursing Advanced Practice II Credits: 5

In this course, management of mental health problems will expand beyond the individual to include families, groups and the greater community. Special attention will be given to illnesses occurring in childhood and older age. Theoretical foundations in individuals, group and family therapies will be explored and psychotherapy skills for the advanced practice nurse will be developed.

Prerequisites: NURSE 5549, NURSE 5546, NURSE 5564M.

NURSE 5566N Neonatal Nursing II Credits: 3

This course integrates physiologic, pharmacologic, and assessment skills and principles determining appropriate care of the ill neonate. This course covers case management of gastrointestinal, renal, endocrine, hematologic, orthopedic, ophthalmologic, dermatologic and immune disorders. Current research and evidenced-based practices are used as the course framework. The effects of critical conditions on the growth and development of the neonate, including subsequent chronic health problems as well as the short and long term consequences of the child's family are emphasized. The use of specific interventions and diagnostic procedures are demonstrated and applied in laboratory/clinical settings.

Prerequisites: NURSE 5549.

NURSE 5566W Care of the Childbearing Woman Credits: 5

This course is designed to prepare the woman's health nurse practitioner students in the care and management of the childbearing woman. The focus of the course is on the normal adaptation and pathologic alterations throughout the childbearing period. Emphasis is placed on management of women and families from preconception through the puerperium. Concepts, theories and evidence-based research related to the biopsychosocial and cultural aspects of childbearing are addressed. Core concepts include adaptation, stress and coping, grief and loss, pain and symptoms management.

Prerequisites: NURSE 5564W.

NURSE 5572 Advanced Nursing Practice: Synthesis Practicum Credits: 5

This course is a concentrated, experiential, supervised clinical opportunity to function in an advanced practice nursing role. The focus of this intensive clinical practicum is on the synthesis and application of previous theory and clinical courses under the guidance of a preceptor. Students will be expected to apply advanced clinical decision-making skills and evidence-based practice guidelines to the assessment, management, and evaluation of complex healthcare problems. Core concepts include advanced nursing practice, functional role responsibilities, ethical, legal and health policy issues, and activities with the emphasis on their relationship to patient outcomes. The patient systems for this experience include individuals and families within the context of community.

Prerequisites: All required courses except NURSE 5598, NURSE 5599, and electives.

NURSE 5572II Preceptorship II Credits: 5

This course provides opportunities to apply knowledge and skills from advanced nursing role, theory, research and neonatal clinical courses to the advanced therapeutic management of high-risk neonates. This is the second of two preceptorship courses which builds upon acquired clinical skills of NURSE 5572NI and can be taken concurrently or in consecutive semesters. Emphasis is placed on therapeutic measures within a conceptual framework or model applying findings from research relevant to comprehensive care of neonates. The client system will be the neonate and family.

Co-requisites: NURSE 5572NI.

NURSE 5572M Advanced Nursing Practice: Synthesis Practicum Credits: 5

This course is a concentrated, experiential, supervised clinical opportunity to function in a psychiatric advanced practice nursing role. The focus of this intensive clinical practicum is on the synthesis and application of previous theory and clinical courses under the guidance of a preceptor. Students will be expected to apply advanced clinical decision making skills and evidence based practice guidelines to the assessment, management, and evaluation of complex healthcare problems. Core concepts include advanced nursing practice, functional role responsibilities, ethical, legal and health policy issues, consultation/collaboration and activities with the emphasis on their relationship to patient outcomes.

Prerequisites: NURSE 5549, NURSE 5546, NURSE 5564M, NURSE 5566M.

NURSE 5572NE Synthesis Practicum for Nurse Educators Credits: 3

This course provides the student a concentrated, experiential opportunity to function in the role as nurse educator. Core concepts include functional role responsibilities, teaching strategies and theory utilization. Emphasis is placed on professional role development and the concept of life-long learning. 3 Credit Hours (3 clinical for a minimum of 247.5 contact/clock hours)

Prerequisites: All required courses except NURSE 5598.

NURSE 5572NI Preceptorship I Credits: 5

This course provides opportunities to apply knowledge and skills from advanced nursing role, theory, research and neonatal clinical courses to the advanced therapeutic management of high-risk neonates. This is the first of two preceptorship courses. The other course, NURSE 5572II, can be taken concurrently or in consecutive semesters. Emphasis is placed on therapeutic measures within a conceptual framework or model applying findings from research relevant to comprehensive care of neonates. The client system will be the neonate and family.

Prerequisites: NURSE 5564N, NURSE 5566N.

NURSE 5573 Topics in Advanced Practice Nursing Credits: 2

This course focuses on the role of the advanced practice nurse. Core concepts include advanced nursing practice, functional role responsibilities, ethical, legal and health policy issues, healthcare teaching, and activities with the emphasis on their relationship to patient outcomes.

Prerequisites: Departmental consent.

NURSE 5581A Simulation in Healthcare-State of the Science, Ethical, and Theoretical Foundations Credit: 1

This course provides an introduction to principles, ethics, and theory guiding simulation education in healthcare. Emphasis is on analysis of the evidenced-based research related to simulation, and regulatory processes through interprofessional discussions.

NURSE 5581B Simulation in Healthcare-Development and Curricular Integration Credit: 1

This course introduces students to simulation center design, scenario development, and curriculum integration. Through inter-professional collaboration, students will examine the process of developing simulations and developing realistic, measurable objectives.

NURSE 5581C Simulation in Healthcare-Debriefing and Evaluation Methods Credit: 1

This course prepares students to evaluate learning in the simulation environment and facilitate debriefing. Evaluation methods based on simulation learning domains and objectives are explored.

NURSE 5583A Accreditation in Nursing Education –Procedural Overview and Accreditation Credit: 1

The course provides a foundational understanding of the accreditation process for the Accreditation Commission for Education in Nursing (ACEN) and Commission on Collegiate Nursing Education (CCNE). Procedural overview includes discussion on the accreditation self-study process, standards, on-site evaluation, and the accreditation decision-making process and accreditation. Emphasis will be placed on guidelines for assessment of student learning outcomes and preparation for continuing review.

NURSE 5583B Accreditation in Nursing Education –Accreditation Commission for Education in Nursing (ACEN) Credit: 1

This course builds upon foundational principles of accreditation by exploring the process as related to the Accreditation Commission for Education in Nursing (ACEN). Emphasis is placed on how to implement the accreditation process to successfully complete a self-study report.

Prerequisite: NURSE 5583A (or co-requisite).

NURSE 5583C Accreditation in Nursing Education –Commission on Collegiate Nursing Education (CCNE) Credit: 1

This course builds upon foundational principles of accreditation by exploring the process as related to the Commission on Collegiate Nursing Education (CCNE). Emphasis is placed on how to implement the accreditation process to successfully complete a self-study report.

Prerequisite: NURSE 5583A (or co-requisite).

NURSE 5587 Research Utilization in Nursing Credits: 3

This course will prepare nurses to implement a research utilization model to validate practice. The theoretical basis for research utilization and practical instances of its application in nursing will be examined. Opportunities will be provided to develop a research utilization plan to address a clinical area of practice.

Prerequisites: NURSE 5550, NURSE 5555.

NURSE 5590 Directed Scholarly Activity Credits: 1-2

This course provides individualized experiences to prepare the student for their comprehensive examination.

Prerequisites: Permission of the instructor.

Co-requisites: Completion of core course requirements.

NURSE 5597A Independent Study in Nursing/Patient Care-Elective Credits: 1-6

Guided study of selected topics and/or areas in nursing and/or patient care.

Prerequisites: NURSE 5550.

NURSE 5597AHA Independent Study in Nursing Credits: 1-6**NURSE 5597AS Independent Study In Nursing Credits: 1-6**

Independent Study In Nursing

NURSE 5597B Independent Study in Nursing/Patient Care-Equivalent Credits: 1-6

Guided study of selected topics and/or areas in nursing and/or patient care.

Prerequisites: NURSE 5550.

NURSE 5598 Directed Research Credits: 1-6

Individual research project for students to utilize beginning research skills in designing and conducting independent studies under the direction of the faculty.

Prerequisites: NURSE 5550, NURSE 5555.

NURSE 5599 Research Thesis Credits: 1-9

Individual study under the direction of a member of the faculty leading to the preparation and oral defense of a thesis.

Prerequisites: NURSE 5550, NURSE 5555.

NURSE 5601 Clinical Institute I Credit: 1

1 credit hour (1 didactic) This course provides an introduction to the knowledge and skills essential to becoming a graduate student. Students utilize theory, evidence based practice/research, and clinical expertise to become expert practitioners in their population foci. Content includes relevant UMKC policies and procedures, technology utilization to conduct library literature searches, access to course content on electronic platforms, and planning for success in graduate school. The literature review search progresses to application of the content, through written and verbal communication. Techniques building on critical thinking skills to start clinical diagnostic reasoning skills are introduced along with graduate school expectations and outcomes.

Prerequisites: Admission to the MSN or DNP programs.

NURSE 5602 Healthcare Systems & Leadership Credits: 3

This course focuses on the DNP as leader within the complex health care industry. Utilizing information technology, an in-depth study of the socio-political, economic, cultural and historical background of the American health care system the system of health professions will form the foundation for exploration of leadership needs the DNP leadership role.

Prerequisites: Admission to the DNP program.

NURSE 5603 Research Institute I Credits: 2

This course will provide a hands-on introduction to the process of becoming a research scientist. Content will include the responsible conduct of research, its core element, the emerging guideline, relevant UMKC policies and procedures, and the impact to the Researcher in his/her day-to-day activities. This course also includes literature reviews, scholarly writing, technology in the Research process, developing a program of scholarship and effective time management.

Prerequisites: Admission to the PhD program at the School of Nursing and Health Studies.

NURSE 5604 Research Institute II Credits: 2

This course provides interactive sessions to develop skills necessary for the doctoral level researcher. Students will learn advanced literature search strategies using library and internet tools; processes of scholarly publication, including the development and online submission of original manuscripts; and will be introduced to a research database. Students will develop strategies to plan for collateral courses to support their research and will develop a mentorship plan. Students will practice professional presentation skills.

Prerequisites: NURSE 5603, Completion of 6 credit hours of PhD coursework.

NURSE 5607NA Health Care Policy and Leadership for the Nurse Anesthetist Credits: 2

This course provides an in-depth study of the health care policy process, emphasizing ways that Doctor of Nursing Practice (DNP) prepared Certified Registered Nurse Anesthetists (CRNAs) can incorporate health policy advocacy into their practice. The content prepares DNP CRNAs to be effective, innovative leaders in nurse anesthesia and health care. Students will participate in a leadership experience in one of four areas: education, research, administration, or politics.

Prerequisites: Active status in both UMKC SoNHS BSN-DNP NA program and the TMC School of Nurse Anesthesia.

NURSE 5608 Theory Development I Credits: 3

The philosophical underpinnings of nursing and the theoretical development of nursing science will be explored in this course. The discipline of nursing and the relationship between nursing theory, research, and practice will be discussed. Students will analyze nursing and non-nursing theories for research or clinical questions. Students will identify a theoretical framework to guide their research or evidence-based practice project.

Prerequisites: Twelve credit hours of graduate level course work, including NURSE 5550 and NURSE 5555, or their equivalents.

NURSE 5610 Theory Development in Nursing II Credits: 3

Nursing and non-nursing models, frameworks and theories will be analyzed and critically evaluated. Philosophical tenants will be debated. Students will identify the range of applicable theories for their area of research. Appropriate application of theories to independent and dependent variables, mediators and moderators, cofactors, correlates and outcomes will be explored. Students will develop concepts, hypotheses, and research goals that utilize an identified theory for nursing research.

Prerequisites: NURSE 5608 or permission of instructor.

NURSE 5611 Healthcare Economics & Quality Credits: 3

This course focuses on the principles of, and complex relationship between, cost and efficiency and effectiveness and health care quality outcomes. Economic perspectives and needs from industry, organizations, providers and consumers will all be examined. Throughout the course, issues regarding the inextricable link between cost and quality within the complex healthcare environment will be examined and addressed, with emphasis on DNP nurse intervention and leadership.

Prerequisites: Admission to the DNP program.

NURSE 5612 Statistics I Credits: 3

This graduate statistics online course is designed for students in the graduate programs. The course provides a comprehensive understanding of: describing data, logic of sampling, and test statistics; hypothesis testing, type 1 and type 2 errors; power; one-way ANOVA (analysis of variance); planned comparison, post-hoc tests and trend analysis; factorial ANOVA; repeated measures designs and mixed randomized repeated designs; simple and multiple regression; and ANCOVA (analysis of co-variance).

Prerequisites: Upper division undergraduate statistics course.

NURSE 5613 Application of Evidence-based Practice I Credits: 3

This course is designed to provide a systematic approach to appraise evidence, research, and guidelines used in practice. The course builds on evidence-based practice strategies; theoretical foundations; ethical, diversity, equity, and inclusion principles. This course also includes teamwork with communication skills, quality improvement processes, scientific methods, policy and economic considerations, improvement outcome evaluations, and statistical analyses. In addition, the student will further develop an evidence-based approach to address a healthcare problem.

Prerequisites: NURSE 5608.

NURSE 5614 Health Policy & Ethics Credits: 2

This course examines health policy and ethics as they intersect with other public policies. Legal, financial, and ethical issues associated with policy development and evaluation are critically examined.

Prerequisites: Admission into the Ph.D. in Nursing Program.

NURSE 5615NA Chemistry and Physics for the Nurse Anesthetist Credits: 3

This course is designed to provide the nurse anesthesia student a foundational knowledge needed for the provision of anesthesia. This course will review elements of general and organic chemistry pertinent to understanding metabolic pathways and pharmacology routinely administered during the anesthetic period. Pertinent laws and principles of physics will be presented. The student will be prepared to apply laws and principles of physics to the provision of anesthesia services. This three-credit hour course consists of 3 credit hours of didactic/discussion per week.

Prerequisites: Acceptance into School of Nurse Anesthesia Program.

NURSE 5616NA Anesthesia Crisis Resource Management Credit: 1

This course is designed for the graduate nurse anesthesia student to optimize their expert clinical judgement during low-frequency, high-acuity anesthesia crisis events. The history, importance, and theory of patient safety during dynamic anesthetic situations will be discussed, as well as specific skills and practices that improve performance. The goal of this course is for the student to develop knowledge and skills of Anesthesia Crisis Resource Management (ACRM) prior to graduation.

Prerequisites: NURSE 5619NA3.

NURSE 5617 Application of Evidence-based Practice II Credits: 3

This course is designed to provide a systematic approach to incorporating evidence into practice to improve healthcare. The course builds on the underpinnings of an evidence-based practice project proposal. The student will incorporate the principles of human subject protection into the proposal and develop the evidence-based intervention materials, establish the data collection with statistical analysis, engage in interprofessional collaboration in planning the project, and address sustainability and dissemination plans. Support for the evidence-based improvement plan includes technology, information systems, and nursing informatics. The Doctor of Nursing Practice faculty will approve the proposal. This course consists of 2 didactic and 1 clinical credit hour.

Prerequisites: NURSE 5613.

NURSE 5617B Application of Evidence-based Practice III Credits: 3

This course is designed to increase the clinical expertise of the student through implementation of an evidence-based practice project in a specific area of focus to improve healthcare. Students will collaborate with a site for project execution. This course builds on a systematic approach to incorporate evidence into practice and is designed to be self-directed, allowing the student to focus on their specific clinical interests and area of expertise. This course includes manuscript creation, presentation, and self-reflection on accomplishment of DNP essentials. The course consists of 1 didactic and 2 clinical credit hours. This course consists of 1 didactic and 2 clinical credit hours.

Prerequisites: NURSE 5617.

NURSE 5619NA1 Principles of Nurse Anesthesia Practice I Credits: 2

This course introduces the nurse anesthesia student to concepts necessary to plan and execute safe, individualized anesthetic plans. Content includes assessment of co-morbid conditions within patient populations, development of appropriate plans of care, selection of appropriate anesthetic techniques, prevention of complications, and utilization of anesthesia equipment. Fundamental concepts and techniques essential to clinical anesthesia practice focus on theoretical, practical, and professional considerations involved in the administration of general anesthesia, conscious sedation, and regional anesthesia throughout the perianesthetic period. This two-credit hour course consists of 2 credit hours of didactic/discussion per week.

Prerequisites: NURSE 5619NAB.

NURSE 5619NA2 Principles of Nurse Anesthesia II Credits: 3

This course is designed to provide the nurse anesthesia student a broad knowledge base in multiple concepts, topics, and techniques. This course builds on concepts learned in Principles of Nurse Anesthesia I and delineates techniques of anesthesia management that are considered more situation specific with specialized diagnostic and anesthetic procedures. Focused on patients and existing co-morbidities, the course intensively covers more advanced concepts and principles of anesthetic management. This three-credit hour course consists of 3 credit hours of didactic/discussion per week.

Prerequisites: NURSE 5619NA1.

NURSE 5619NA3 Principles of Nurse Anesthesia Practice III Credits: 3

This course covers advanced concepts and principles of anesthetic management with an emphasis on advanced anesthesia techniques and skills. The course builds on Principles of Nurse Anesthesia Practice I and II and focuses on critical thinking, skill development, and specific procedures utilized in anesthetic practice. This three-credit hour course consists of 3 credit hours of didactic/discussion per week.

Prerequisites: NURSE 5619NA2.

NURSE 5619NAB Basic Principles of Nurse Anesthesia Practice Credits: 2

This course is designed to build on topics introduced in orientation and provides the student with the knowledge needed to begin the delivery of anesthesia. This course encompasses a variety of topics including anesthetic drugs, anesthesia equipment and clinical monitoring, perioperative fluid management, positioning for anesthesia and surgery, and airway management. Lecture topics will be assimilated into simulation learning experiences to prepare the student for clinical residency courses. This two-credit hour course consists of 2 credit hours of didactic/discussion per week.

Prerequisites: NURSE 5619NAO.

NURSE 5619NAO Orientation to Nurse Anesthesia Practice Credit: 1

This course is designed to give the nurse anesthesia student an orientation to nurse anesthesia practice. The course content will include an overview of the history of the nurse anesthesia profession and the role of the nurse anesthetist. Patient-centered care, cultural competence, and interprofessional communication will be discussed. The course will introduce students to basic anesthesia equipment, operating room preparedness, and workplace safety, including infection prevention and medication safety. The course will introduce the student to professional practice documents and institutional policies. An evidenced-based wellness and substance use disorder program of study will be incorporated into the course.

Prerequisites: Admission into the DNP-NA program.

NURSE 5620 Advanced Practice V - DNP Clinical Credits: 5

This course is designed to increase the clinical expertise of the student through implementation of an evidence-based practice project in a specific area of focus to improve healthcare. Students will collaborate with a site for project execution. This course builds on a systematic approach to incorporate evidence into practice and is designed to be self-directed, allowing the student to focus on their specific clinical interests and area of expertise. This course includes manuscript creation, presentation, and self-reflection on accomplishment of DNP essentials. This course consists of 1 didactic and 4 clinical credit hours.

Prerequisites: All DNP coursework except NURSE 5624.

NURSE 5621A Clinical III Credits: 4

This course will provide students with the opportunity to apply knowledge from previous graduate courses to advanced primary care nursing of adults and geriatrics. The focus is to demonstrate refined advanced assessment, diagnosis, and treatment skills in clinical practice as appropriate in areas of specialization related to multiple disease processes associated in the care of adults and geriatrics. This practice will be based on the application of evidence in the biophysical, psychosocial, behavioral, sociopolitical, cultural, economic, interprofessional practice and nursing science arenas.

Prerequisites: NURSE 5566A.

Co-requisites: NURSE 5617B.

NURSE 5621C Clinical III Credits: 4

This course will provide students with the opportunity to apply knowledge from previous graduate courses to advanced primary care nursing of children. The focus is to demonstrate refined advanced assessment, diagnosis, and treatment skills in clinical practice as appropriate in areas of specialization related to multiple disease processes associated in the care of children. This practice will be based on the application of evidence in the biophysical, psychosocial, behavioral, sociopolitical, cultural, economic, interprofessional practice and nursing science arenas.

Prerequisites: NURSE 5566C.

Co-requisites: NURSE 5617B.

NURSE 5621F Clinical III Credits: 4

This course will provide students with the opportunity to apply knowledge from previous graduate courses to advanced primary care nursing of individuals and families. The focus is to demonstrate refined advanced assessment, diagnosis, and treatment skills in clinical practice as appropriate in areas of specialization related to multiple disease processes associated in the care of individuals and families. This practice will be based on the application of evidence in the biophysical, psychosocial, behavioral, sociopolitical, cultural, economic, interprofessional practice and nursing science arenas.

Prerequisites: NURSE 5566F.

Co-requisites: NURSE 5617B.

NURSE 5621M Family Psychiatric Nursing Advanced Practice III Credits: 4

This course will provide students with the opportunity to apply knowledge from previous graduate courses to advanced psychiatric mental health care of patients across the lifespan. The focus is to demonstrate refined advanced assessment, diagnosis, and treatment skills in clinical practice as appropriate in areas of specialization related to multiple disease processes in the care of patients across the lifespan. This practice will be based on the application of evidence in the biophysical, psychosocial, behavioral, sociopolitical, cultural, economic, interprofessional practice and nursing science arenas.

Prerequisites: NURSE 5566M.

Co-requisites: NURSE 5617.

NURSE 5621W Clinical III Credits: 4

This course will provide students with the opportunity to apply knowledge from previous graduate courses to advanced primary care nursing of women. The focus is to demonstrate refined advanced assessment, diagnosis, and treatment skills in clinical practice as appropriate in areas of specialization related to multiple disease processes associated in the care of women. This practice will be based on the application of evidence in the biophysical, psychosocial, behavioral, sociopolitical, cultural, economic, interprofessional practice and nursing science arenas.

Prerequisites: NURSE 5566W.

Co-requisites: NURSE 5617B.

NURSE 5622 Statistics II Credits: 3

This graduate statistics on-line course is designed to provide a conceptual understanding of the statistical procedures associated with: advanced multiple regression; moderators and mediators in multiple regression; path analysis; logistic regression; factor analysis; MANCOVA; MANOVA; cluster analysis; and canonical correlation.

Prerequisites: NURSE 5612.

NURSE 5623A Advanced Nursing Practice: Synthesis Practicum Credits: 5

This course is a concentrated, experiential, supervised clinical opportunity to function at the highest level of advanced nursing practice. The focus is on the synthesis and application of previous theory, primary care, and specialty clinical courses. Students will be expected to apply advanced clinical decision making skills and evidence based practice guidelines to the assessment, management, and evaluation of complex healthcare problems. Core concepts include integrated nursing science with knowledge of ethical, legal, and health policy issues.

Prerequisites: NURSE 5621A.

Co-requisites: NURSE 5629.

NURSE 5623C Advanced Nursing Practice: Synthesis Practicum Credits: 5

This course is a concentrated, experiential, supervised clinical opportunity to function at the highest level of advanced nursing practice. The focus is on the synthesis and application of previous theory, primary care, and specialty clinical courses. Students will be expected to apply advanced clinical decision making skills and evidence based practice guidelines to the assessment, management, and evaluation of complex healthcare problems. Core concepts include integrated nursing science with knowledge of ethical, legal, and health policy issues.

Prerequisites: NURSE 5621C.

Co-requisites: NURSE 5629.

NURSE 5623F Advanced Nursing Practice: Synthesis Practicum Credits: 5

This course is a concentrated, experiential, supervised clinical opportunity to function at the highest level of advanced nursing practice. The focus is on the synthesis and application of previous theory, primary care, and specialty clinical courses. Students will be expected to apply advanced clinical decision making skills and evidence based practice guidelines to the assessment, management, and evaluation of complex healthcare problems. Core concepts include integrated nursing science with knowledge of ethical, legal, and health policy issues.

Prerequisites: NURSE 5621F.

Co-requisites: NURSE 5629.

NURSE 5623M Advanced Nursing Practice: Synthesis Practicum Credits: 5

This course is a concentrated, experiential, supervised clinical opportunity to function at the highest level of advanced nursing practice. The focus is on the synthesis and application of previous theory, mental health care, and specialty clinical courses. Students will be expected to apply advanced clinical decision making skills and evidence based practice guidelines to the assessment, management, and evaluation of complex healthcare problems. Core concepts include integrated nursing science with knowledge of ethical, legal, and health policy issues.

Prerequisites: NURSE 5621M.

Co-requisites: NURSE 5629.

NURSE 5623W Advanced Nursing Practice: Synthesis Practicum Credits: 5

This course is a concentrated, experiential, supervised clinical opportunity to function at the highest level of advanced nursing practice. The focus is on the synthesis and application of previous theory, primary care, and specialty clinical courses. Students will be expected to apply advanced clinical decision making skills and evidence based practice guidelines to the assessment, management, and evaluation of complex healthcare problems. Core concepts include integrated nursing science with knowledge of ethical, legal, and health policy issues.

Prerequisites: NURSE 5621W.

Co-requisites: NURSE 5629.

NURSE 5624 Advanced Practice VI-DNP Practicum Credits: 5

This course is designed to increase the clinical expertise of the student through implementation and outcome evaluation of an evidence-based practice project in a specific area of focus. This course builds on previous coursework and incorporates a systematic approach in the integration of evidence into practice to improve healthcare. The course is self-directed allowing students to focus on their specific clinical interests and area of expertise, DNP project paper, manuscript creation, dissemination plans, and self-reflection on accomplishment of the DNP essentials. This course consists of 3 didactic and 2 clinical credit hours.

Prerequisites: NURSE 5620.

NURSE 5627NA Regional Anesthesia Credit: 1

This course is designed for graduate nurse anesthesia students to review anatomy, pharmacodynamics, pharmacokinetics and physiological effects of local anesthetics and to learn techniques to administer various types of regional anesthesia.

Prerequisites: NURSE 5619NAB.

NURSE 5628NA Advanced Health Assessment for the Nurse Anesthetist Credits: 2

This course will present the various elements required to perform a timely and thorough perioperative assessment. Integration of the health history, physical and psychological assessment of signs and symptoms, and pathophysiologic changes of the individual are emphasized. The student will integrate knowledge and advanced assessment skills, including but not limited to laboratory, radiologic, and other diagnostic studies, as appropriate. The course will incorporate the psychosocial, cultural and developmental variations and needs of the patient into the assessment. Students will learn to use the results of the perioperative assessment in establishing a differential diagnosis and developing an effective and appropriate plan

Prerequisites: NURSE 5544.

NURSE 5629 Clinical Institute III Credits: 3

This course is designed to increase the clinical expertise of the student through implementation and outcome evaluation of an evidence-based practice project in a specific area of focus. This course builds on previous coursework and incorporates a systematic approach in the integration of evidence into practice to improve healthcare. The course is self-directed allowing students to focus on their specific clinical interests and area of expertise, DNP project paper, manuscript creation, dissemination plans, and self-reflection on accomplishment of the DNP essentials. This course consists of 2 didactic and 1 clinical credit hour.

Prerequisites: NURSE 5621A or NURSE 5621C or NURSE 5621F or NURSE 5621W.

Co-requisites: NURSE 5623A or NURSE 5623C or NURSE 5623F or NURSE 5623W.

NURSE 5630 Health Care Systems Credits: 3

This course is a guided, in-depth exploration, analysis and evaluation of selected health care systems literature. Other nursing literature will be reviewed as appropriate.

Prerequisites: Admission into Ph.D. in Nursing program.

NURSE 5631 State of the Science Credits: 3

This course is a guided in-depth exploration of literature on a selected focus area. Appropriate contextual system literature will be reviewed as appropriate. Scholarly writing for a variety of contexts will be presented.

Prerequisites: Admission into a doctoral program and completion of a doctoral level theory course or permission of instructor

NURSE 5632 Health Restoration & Support Credits: 3

This course is a guided, in-depth exploration, analysis and evaluation of selected health restoration support literature. Other nursing literature will be reviewed as appropriate.

Prerequisites: Admission into Ph.D. in Nursing program.

NURSE 5633 Philosophy of Science Credits: 3

This course is an in-depth exploration of the philosophy of science covering questions about the nature of science, scientific inquiry, methodology, explanation and evidence. Attention will be given to the dynamic relationship between science, society, culture and values. Finally, students will apply insights from the course to research and practice.

Prerequisites: Admission to a doctoral program in nursing or related area.

NURSE 5636NA Obstetrical Anesthesia Credit: 1

This course is designed to provide the graduate nurse anesthesia student with a broad knowledge base in the field of obstetrical anesthesia. Anatomy and physiology of pregnancy, co-morbidities in the pregnant patient and anesthesia procedures for the pregnant patient will be presented. Lecture topics will be assimilated into high fidelity simulation scenarios to prepare the student for clinical residency courses.

Prerequisites: NURSE 5619NA1.

Co-requisites: NURSE 5619NA2.

NURSE 5637 Healthcare Outcomes and Epidemiology Credits: 2-3

This course is an application of basic epidemiologic principles. This course provides the foundation for assessment and evaluation of health outcomes in a variety of populations, clinical settings, and systems. Concepts introduced include fundamentals of epidemiology, determinants of health, screening, outbreak investigation, and disease surveillance. The course includes content on descriptive and analytic epidemiology. CRNA students enroll for 2-credits; all other DNP students are required to enroll for 3-credits.

Prerequisites: NURSE 5612 or equivalent.

NURSE 5638NA1 Pharmacology of Anesthesia I Credit: 1

The course is the first in a two semester sequence designed to provide the graduate nurse anesthesia student with the knowledge of pharmacology and the human physiologic responses to pharmacologic agents when administered to the patient perioperatively.

Prerequisites: NURSE 5619NA3.

NURSE 5638NA2 Pharmacology of Anesthesia II Credits: 2

This course is the second in a two semester sequence designed to provide the graduate nurse anesthesia student with the knowledge of pharmacology and the human physiologic responses to pharmacologic agents when administered to the patient perioperatively.

Prerequisites: NURSE 5638NA1.

NURSE 5640NA Pediatric Anesthesia Credit: 1

This course is designed for the graduate nurse anesthesia student to learn anatomy and physiology specific to the pediatric patient. The most common pathophysiologic states found in the pediatric surgical patient will be discussed as well as fluid management and pharmacology as it relates to the pediatric patient. The goal of this pediatric course is to give the student the basic knowledge of pediatric anesthesia as a foundation, prior to their pediatric clinical rotation.

Prerequisites: NURSE 5619NA2.

Co-requisites: NURSE 5619NA3.

NURSE 5641NA Acute and Chronic Pain Management Credits: 2

The student will develop a basic understanding of pain management as it relates to the field of anesthesia. Relevant anatomy, physiology, and pharmacology will be reviewed to evaluate the risks, benefits, and options of various pain management approaches. Students will be required to demonstrate proficiency in regional anesthesia techniques and management of pain in patients of all ages and varying stages of wellness.

Prerequisites: Nurse 5619NA1, Nurse 5619NA2.

NURSE 5642NA Comprehensive Review Credits: 2

This is a comprehensive review course to prepare students for success on the national certification exam (NCE). Major content areas covered include basic sciences; equipment, instrumentation and technology; general principles of anesthesia; and anesthesia for surgical procedures and special populations.

Prerequisites: NURSE 5619NA2.

Co-requisites: NURSE 5619NA3.

NURSE 5643NA Professional Practice for the Nurse Anesthetist Credits: 2

This course is designed to explore a range of non-clinical issues in nurse anesthesia practice. Students will gain an appreciation of the professional ideals of the Doctor of Nursing Practice (DNP) prepared Certified Registered Nurse Anesthetist (CRNA) through both online and on-site group discussion. In addition, students will attend professional meetings including: Student Registered Nurse Anesthetist (SRNA) Leadership Luncheon, Missouri Association of Nurse Anesthetists (MoANA) Lobby Day; Wellness in the Workplace, an event highlighting the risks of chemical dependency in nurse anesthesia practice; and one additional state or national professional meeting.

Prerequisites: Active status in both the UMKC SONHS DNP-NA Track and TMC School of Nurse Anesthesia.

NURSE 5650NA1 Clinical Anesthesia I Credits: 0

The first of three clinical anesthesia practicums designed to provide the nurse anesthesia student simulated learning and complete hands on, supervised clinical practice on adult patients. The foci are skill development and safe anesthetic practice throughout the perioperative period. Students are assigned day experiences and call shifts at Truman Medical Center. Experiences progress in acuity and include, but are not limited to, general, gynecological, orthopedic, oral maxillary facial, urologic, dental, ophthalmic and endoscopic procedures. Core content includes formulation and management of perianesthesia plan of care, utilization of technology, application of EBP, technical skill development and advanced practice role competencies.

Prerequisites: NURSE 5650NA0, NURSE 5619NAB.

NURSE 5650NA2 Clinical Anesthesia II Credits: 0

The second of three clinical anesthesia practicums designed to provide the nurse anesthesia student simulated learning and complete hands on, supervised clinical practice on adult patients. The foci are skill development and safe anesthetic practice throughout the perioperative period. Students are assigned day experiences and call shifts at Truman Medical Center. Experiences progress in acuity and include, but are not limited to, general, gynecological, orthopedic, oral maxillary facial, urologic, dental, ophthalmic and endoscopic procedures. Core content includes formulation and management of perianesthesia plan of care, utilization of technology, application of EBP, technical skill development and advanced practice role competencies.

Prerequisites: NURSE 5650NA1.

NURSE 5650NA3 Clinical Anesthesia III Credits: 0

The third of three clinical anesthesia practicums designed to provide the nurse anesthesia student simulated learning and complete hands on, supervised clinical practice on adult patients. The foci are skill development and safe anesthetic practice throughout the perioperative period. Students are assigned day experiences and call shifts at Truman Medical Center. Experiences progress in acuity and include, but are not limited to, general, gynecological, orthopedic, oral maxillary facial, urologic, dental, ophthalmic and endoscopic procedures. Core content includes formulation and management of perianesthesia plan of care, utilization of technology, application of EBP, technical skill development and advanced practice role competencies.

Prerequisites: NURSE 5650NA2.

NURSE 5650NA4 Clinical Anesthesia IV Credits: 0

This course is the first of a three semester nurse anesthesia residency/practicum designed to provide concentrated, experiential, supervised, high acuity, perioperative experiences. The focus is on the synthesis and application of all previous courses. Students will be expected to apply advance clinical decision-making skills and evidence-based practice guidelines to the assessment, management and evaluation of complex procedures and patients across the lifespan. Students attend specialty rotations at up to 9 different sites. Core concepts include nurse anesthesia practice, technical skill development, integration of technology and evidence based practice to the patient and/or healthcare system, and ethical, legal and professional issues.

Prerequisites: NURSE 5619NA3 and NURSE 5650NA3.

NURSE 5650NA5 Clinical Anesthesia V Credits: 0

This course is the second of a three semester nurse anesthesia residency/practicum designed to provide concentrated, experiential, supervised, high acuity, perioperative experiences. The focus is on the synthesis and application of all previous courses. Students will be expected to apply advance clinical decision-making skills and evidence-based practice guidelines to the assessment, management and evaluation of complex procedures and patients across the lifespan. Students attend specialty rotations at up to 9 different sites. Core concepts include nurse anesthesia practice, technical skill development, integration of technology and evidence based practice to the patient and/or healthcare system, and ethical, legal and professional issues.

Prerequisites: NURSE 5650NA4.

NURSE 5650NA6 Clinical Anesthesia VI Credits: 0

This course is the third of a three semester nurse anesthesia residency/practicum designed to provide concentrated, experiential, supervised, high acuity, perioperative experiences. The focus is on the synthesis and application of all previous courses. Students will be expected to apply advance clinical decision-making skills and evidence-based practice guidelines to the assessment, management and evaluation of complex procedures and patients across the lifespan. Students attend specialty rotations at up to 9 different sites. Core concepts include nurse anesthesia practice, technical skill development, integration of technology and evidence based practice to the patient and/or healthcare system, and ethical, legal and professional issues.

Prerequisites: NURSE 5650NA5.

NURSE 5650NA0 Clinical Anesthesia Orientation Credits: 0

Orientation to clinical practice during which students participate in hands on, supervised clinical practices and simulated clinical learning experiences. Students orient to the Hospital, OR, and Anesthesia department. Clinical education focus is on safe anesthetic practice and skill development throughout the entire perioperative period. Experiences include basic airway management, equipment procurement, anesthesia assessment process, induction and emergence from anesthesia. Clinical orientation experiences include multiple patient populations, ages and sub specialties within anesthesia practice.

Prerequisites: NURSE 5619NA0.

Co-requisites: NURSE 5619NAB.

NURSE 5659NA Health Systems, Economics and Quality in Nurse Anesthesia Practice Credits: 2

This course is designed to introduce the nurse anesthesia student to the fundamental principles of healthcare economics and healthcare systems. The effects of economics will be discussed from a broad viewpoint and from the various perspectives of anesthesia care delivery models. This course will also discuss the impact of quality indicators on anesthesia practice. The course will begin with a leadership summit and continue with online content and discussion forums.

Prerequisites: NURSE 5674NA1.

NURSE 5661NA1 Anesthesia & Co-Existing Diseases I Credit: 1

This course is the first in a two semester series designed to provide nurse anesthesia students with the knowledge of pathophysiology of various disease states and their anesthesia implications. It will include a review of the perioperative management of patients with common and rare diseases.

Prerequisites: NURSE 5619NA3.

NURSE 5661NA2 Anesthesia & Co-Existing Diseases II Credits: 2

This course is the second in a two-semester series designed to provide nurse anesthesia students with the knowledge of pathophysiology of various disease states and their anesthesia implications. This course includes a review of the perioperative anesthetic management of patients with common and rare diseases. The anesthetic implications of special patient populations, including pediatric, obstetric, and elderly patients will be reviewed.

Prerequisites: NURSE 5661NA1.

NURSE 5662 Psychometrics Credits: 3

This course focuses on application of psychometric theories and practices related to instrumentation in nursing research. The basic methodologies and techniques for constructing, testing, and evaluating instruments will be discussed and applied by students. Content will focus on theoretical foundations of measurement, item construction, instrument design, item analysis, validity and reliability assessment. Criteria for evaluating existing instruments will also be discussed.

Prerequisites: NURSE 5612; NURSE 5622; NURSE 5668.

NURSE 5665 Social Justice in Nursing and Health Research Credits: 3

A guided, in-depth exploration of the history, role, and application of social justice in nursing and other health research. Students will be introduced to concepts and theories related to social justice in research and will explore methodologies that are commonly used in research with a social justice orientation. As a class, students will examine the application of a social justice approach to a problem area or population. Individually, students will examine their own positionality related to social justice and will conduct a critical assessment of work in their own topic of research from a social justice standpoint.

Prerequisites: NURSE 5610.

NURSE 5666 Designing Nursing Research Credits: 3

This doctoral level course directs the student to develop research writing skills necessary for developing their dissertation and future program of research. Critical analyses of methodologies and design are accomplished. The strengths and weakness of various research designs (non-experimental, quasi-experimental, experimental and randomized clinical trial) are evaluated via in-depth discussions.

Prerequisites: NURSE 5610, NURSE 5612, NURSE 5622, NURSE 5662, NURSE 5668, NURSE 5670.

NURSE 5668 Quantitative Research Credits: 3

Quantitative research methods used to build nursing's body of knowledge are explored. Experimental, quasi-experimental, and correlational designs and clinical trials are analyzed. Emphasis is placed on design, data generation, analysis, and dissemination of findings. Issues pertaining to the use of quantitative methods will also be explored.

Prerequisites: NURSE 5610, PSYCH 5516.

NURSE 5670 Qualitative Research Methods Credits: 3

Qualitative research methods used to build nursing's body of knowledge are explored in this seminar course. Emphasis is placed on design, data generation and analysis, and dissemination of findings. Issues regarding qualitative research are identified and analyzed.

Prerequisites: Admission to the Nursing Ph.D. program.

NURSE 5671 Advanced Qualitative Research and Mixed Methods Credits: 3

This graduate level course is designed for students who have had an introduction to qualitative research methods and want to pursue more in-depth study of these methodologies, with emphasis on a chosen methodology that they hope to use in their own research. Appropriateness of methodological choice in relation to research question, application of theory, rhetorical style and author presence, and criteria for judging quality will be among the topics explored for various methodologies and data generation (collection) and data analysis skills will be practiced. The course will also acquaint students with the growing literature on mixed methods research.

Prerequisites: Admission to the Nursing Ph.D. program, an introductory qualitative research course.

NURSE 5674NA1 Scholarly Project in Nurse Anesthesia I Credits: 3

This is the first in a series of four courses that culminate in a scholarly project in nurse anesthesia that demonstrates the scholarship of integration and application. This is a distance education course. The student will identify a complex problem in their area of interest and expertise, design, implement, and evaluate an innovative solution to this problem. The student will use the breadth of knowledge and scholarship skills gained through their program of study to improve practice and/or patient outcomes. It validates the student's ability to translate research evidence into practice. This project lays the foundation for future scholarship.

Prerequisites: NURSE 5555.

NURSE 5674NA2 Scholarly Project in Nurse Anesthesia II Credits: 2

This is the second in a series of four courses that culminate in a scholarly project in nurse anesthesia that demonstrates the scholarship of integration and application. This is a distance education course. The student will identify a complex problem in their area of interest and expertise, design, implement, and evaluate an innovative solution to this problem. The student will use the breadth of knowledge and scholarship skills gained through their program of study to improve practice and/or patient outcomes. It validates the student's ability to translate research evidence into practice. This project lays the foundation for future scholarship.

Prerequisites: NURSE 5674NA1.

NURSE 5674NA3 Scholarly Project in Nurse Anesthesia III Credits: 2

This is the third in a series of four courses that culminate in a scholarly project in nurse anesthesia that demonstrates the scholarship of integration and application. This course is a face-to-face course. The student will identify a complex problem in their area of interest and expertise, design, implement, and evaluate an innovative solution to this problem. The student will use the breadth of knowledge and scholarship skills gained through their program of study to improve practice and/or patient outcomes. It validates the student's ability to translate research evidence into practice. This project lays the foundation for future scholarship.

Prerequisites: NURSE 5674NA2.

NURSE 5674NA4 Scholarly Project in Nurse Anesthetist IV Credits: 2

This is the fourth in a series of four courses that culminate in a scholarly project in nurse anesthesia that demonstrates the scholarship of integration and application. This course is a face-to-face course. The student will identify a complex problem in their area of interest and expertise, design, implement, and evaluate an innovative solution to this problem. The student will use the breadth of knowledge and scholarship skills gained through their program of study to improve practice and/or patient outcomes. It validates the student's ability to translate research evidence into practice. This project lays the foundation for future scholarship.

Prerequisites: NURSE 5674NA3.

NURSE 5696 Pre-Dissertation Credits: 1-2

This course is individually directed research leading to the preparation of a doctoral dissertation.

Prerequisites: Permission of the instructor.

Co-requisites: Completion of the comprehensive examination.

NURSE 5697A Special Topics Nursing Elective Credits: 1-6

This course consists of the guided study of special topics in areas of nursing theory and/or research.

Prerequisite: Admission into PhD in Nursing Program

NURSE 5697B Special Topics Nursing-Equivalent Credits: 1-6

This course will cover guided study of course equivalent topics in areas of nursing theory and/or research.

Prerequisites: Admission into Ph.D. in Nursing program.

NURSE 5698 Ethical Conduct of Research Credits: 3

This course explores ethical issues related to the responsible conduct of research from the perspective of the researcher in the health and social sciences.

Prerequisites: Admission to the PhD program at the School of Nursing and Health Studies.

NURSE 5699 Dissertation Research Credits: 1-12

Individual directed research leading to preparation and completion of doctoral dissertation.

NURSE 5899 Required Graduate Enrollment Credit: 1